

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): ~~Multiturn~~ Multi-turn angle measuring device (1) with a first dimensional standard (9), which is non-rotatably connected to an input shaft (2) and which is sampled with a first scanning unit (10) to determine an angular position of the input shaft (2), and with additional dimensional standards (11, 12, 13) that measure the number of turns of the input shaft (2), each additional dimensional standard (11, 12, 13) being reduced in speed by means of a reduction ~~gearing~~ gears from the preceding dimensional standard (9, 11, 12) arranged in parallel to each other, and a scanning device (21, 22, 23) for the sampling of each dimensional standard (11, 12, 13) arranged on a circuit board (6), wherein ~~the~~ an input gear (40) connected to the input shaft (2) and ~~the~~ a first transmission gear (41) have axes of rotation (D_{40} , D_{41}) that are not parallel to each other, flanks of teeth (Z_{40} , Z_{41}) of the input gear (40) and of a wheel (411) of the first transmission gear (41) are not parallel to the axis of input rotation (D_{40} , D_{41}) of the respective gears (40, 41), a number of the teeth (Z_{40}) of the input gear (40) is smaller than a number of the teeth (Z_{41}) of the wheel (411) of the first transmission gear (41), the following ~~transmission~~ reduction gears are arranged parallel to the input shaft, and a pinion (412) of the first transmission gear (41) and the wheel of a second transmission gear (31) ~~have~~ are configured as helical gears.

Claim 2 (currently amended): ~~Multiturn~~ Multi-turn angle measuring device according to claim 1, wherein the input gear (40) connected to the input shaft (2) and the wheel (411) of the first transmission gear (41) ~~have~~ are configured as helical gears.

Claim 3 (currently amended): ~~Multiturn~~ Multi-turn angle measuring device according to claim 1, wherein the scanning unit (10) for the first dimensional standard (9) and the scanning units (21, 22, 23) of the additional dimensional standards (11, 12, 13) are arranged on a single circuit board (6).

Claim 4 (currently amended): ~~Multiturn~~ Multi-turn angle measuring device according to claim 1, wherein the additional dimensional standards (11, 12, 13) are centrally carried by main gears (31, 32, 33) that have axes of rotation parallel to the input shaft (2) and driven via additional intermediate gears (34, 35) are arranged between the main gears, and wherein the gears (31, 32, 33, 34, 35, 41) are arranged on a single-piece ~~multiturn~~ multi-turn unit (5).

Claim 5 (currently amended): ~~Multiturn~~ Multi-turn angle measuring device according to claim 1, wherein the other dimensional standards (11, 12, 13) comprise diametrically magnetized permanent magnets.

Claim 6 (currently amended): ~~Multiturn~~ Multi-turn angle measuring device according to claim 1, wherein the first dimensional standard (9) is a transmissive Moiré code disk, which is illuminated by a transmitter (7) and which is detected by a photoelectric scanning unit (10).

Claim 7 (currently amended): ~~Multiturn~~ Multi-turn angle measuring device according to claim 1, wherein the first dimensional standard (9) comprises one or more magnets, which are magnetized in sectors and detected by one or more magnetic sensors.